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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/807,120	03/24/2004	Kang Soo Seo	1740-00009-4US	3670
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HARNESS, DICKEY & PIERCE, P.L.C.				
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RESTON, VA 20195				
EXAMINER				
TEKLE, DANIEL T				
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

### Office Action Summary

**Application No.**

10/807,120

**Applicant(s)**

SEO ET AL.

**Examiner**

DANIEL TEKLE

**Art Unit**

2621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 24 September 2007.  
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1-22 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.  
10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO/CDC)  
4) ☐ Interview Summary (PTO-413)  
5) ☐ Notice of Informal Patent Application  
6) ☐ Other: \_\_\_\_\_  
Paper No(s)/Mail Date \_\_\_\_\_

## **DETAILED ACTION**

### ***Response to Argument***

Applicant's arguments filed September 24, 2007 have been fully considered but they are not persuasive.

Applicant argues on page 10 of the remark, "Kato et al. does not disclose a plurality of reproduction paths forming different version of one title to be reproduced exclusively". Applicant argument continues to last paragraph of page 10, "Kato describes a main path and sub-path. However, both the main path and the sub-path are included in one virtual play list. The sub-path is added to the main path. In fact the sub-path is assigned to an audio stream to be dubbed into a video stream of the main path. Therefore, the data stream of the main path and sub-path are not reproduced exclusively.

In response the examiner respectively disagrees. Unlike to applicant argument which differentiates between the video path and audio path, the claim limitation is "a data area storing multi-path video data corresponding to a plurality of reproduction paths forming different versions of one title to be reproduced exclusively". The claims dose not show specifically the multi-path is video only or not. Kato et al. anticipate a multi-path means of an "audio-path and video-path" forming a one title or one video to be reproduced exclusively (**paragraph 0182, 212 and 213**).

Applicant's arguments with respect to claims 1-22 have been considered but are moot in view of the new ground(s) of rejection.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claim 1-22 are rejected under 35 U.S.C. 102(e) as being anticipate by Kato et al. (US 20020145702).

**Regarding Claim 1:** Kato et al. discloses a computer readable recording medium having a data structure for managing reproduction of video data recorded on the recording medium, comprising: a data area storing multi-path video data corresponding to a plurality of reproduction paths forming different versions of one title to be reproduced exclusively (**paragraph 182, 212-213**); and a navigation information area storing playlists including reproduction information of the multi-path video data, wherein the playlists are created as many as the number of the reproduction paths of multi-path video data (**paragraph 212-213 and figure 14**).

**Regarding Claim 2:** Kato et al. discloses a computer readable recording medium of claim 1, wherein each of the playlists is associated with all of data stream clip files pertaining to one path of the multiple reproduction paths (**paragraph 212-213**).

**Regarding Claim 3:** Kato et al. discloses a computer readable recording medium of claim 1, wherein each of the playlists has type information to identify whether it is entry playlist or not (**figure 40**).

**Regarding Claim 4:** Kato et al. discloses a computer readable recording medium of claim 1, wherein the playlists include at least one playitem individually, the playitems included in the different playlists refer a same clip file containing common path video data section of the multi-path video data (**paragraph 168 and figure 3**).

**Regarding Claim 5:** Kato et al. discloses a computer readable recording medium having a data structure for managing reproduction of video data recorded on the recording medium, comprising: a data area storing multi-path video data corresponding to a plurality of reproduction paths forming different versions of one title to be reproduced exclusively (**paragraph 182, 212-213**); and a navigation information area storing a playlist including reproduction information of the multi-path video data, wherein the playlist includes a plurality of playitems pointing to different video data sections pertaining to different reproduction paths, respectively (**paragraph 168-169, 182 and figure 20-21**).

**Regarding Claim 6:** Kato et al. discloses a computer readable recording medium of claim 5, wherein the playlist further includes at least one playitem pointing to a clip file containing common path video data section of the multi-path video data (**paragraph 212-213**).

**Regarding Claim 7:** Claim 7 is rejected for the same subject matter as claim 3.

**Regarding Claim 8:** Kato et al. discloses a computer readable recording medium having a data structure for managing reproduction of multi-path video data recorded on the recording medium, comprising: a data area storing the multi-path video data corresponding to a plurality of reproduction paths forming different versions of one title

to be reproduced exclusively (**paragraph 182, 212-213**); and a navigation information area storing playlists including reproduction information of the multi-path video data, wherein the playlists are created as many as the number of path segments constituting the multi-path video data (**paragraph 182 and figure 39**).

**Regarding Claim 9:** Kato et al. discloses a computer readable recording medium of claim 8, wherein each of the path segments is recorded in a single clip file (**paragraph 182 and figure 39**).

**Regarding Claim 10:** Claim 10 is rejected for the same subject matter as claim 3.

**Regarding Claim 11:** Kato et al. discloses a computer readable recording medium of claim 8, wherein the navigation information area further comprises object information including pre-commands and/or post-commands to be conducted before and/or after each playlist is reproduced (**paragraph 212**).

**Regarding Claim 12:** Kato et al. discloses a computer readable recording medium of claim 11, wherein single object information is created for the multi-path video data (**paragraph 212-213**).

**Regarding Claim 13:** Kato et al. discloses a computer readable recording medium of claim 11, wherein the object information is created for each of the playlists (**paragraph 212-213**).

**Regarding Claims 14-17:** Claims 14-17 are rejected for the same subject matter as claim 3, 1, 5, and 8 respectively.

**Regarding Claims 18-20:** Claims 18-20 are rejected for the same subject matter as claims 1, 5, and 8 respectively.

**Regarding Claims 21-22:** Claims 21-22 is rejected for the same subject matter as claim 8.

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DANIEL TEKLE whose telephone number is (571)270-1117. The examiner can normally be reached on 7:30am to 5:00pm M-R and 7:30-4:00 Every other Friday..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha D. Banks-Harold can be reached on 571-272-7905. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2621

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Marsha D. Banks-Harold/  
Supervisory Patent Examiner, Art Unit 2621  
/Daniel Tekle/  
Examiner, Art Unit 2621